

1 ABSTRACT OF THE DISCLOSURE

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3 The personal wearable speaker system includes a garment
4 having a plurality of substantially hollow tubular ducts formed
5 from a substantially flexible material designed to promote
6 superior sound wave flow and anti-collapse (pinch) functionality,
7 and a plurality of pairs of sound transducers. The plurality of
8 ducts each have a first end and a second end which are
9 substantially enclosed by the garment. Each of the ducts defines
10 a chamber within. The ducts each have a length, a width, and a
11 height which is perpendicular to both the length and the width,
12 and preferably have a width to height ratio of three to one or
13 less. Alternately, the ducts may be substantially flat and have
14 an undulating front surface. Sound transducers are adapted to fit
15 at least partially within the chambers of the ducts. Some of the
16 sound transducers are adapted to project sound toward an ear of a
17 wearer. Other transducers are adapted to project soundwaves
18 toward a body of the wearer. Securing rings attached to the ducts
19 adjacent the ends of the ducts are used to facilitate the
20 connection between the ends of the ducts and the jacket. Pockets
21 adapted to receive a player may be provided. Wires running from
22 the sound transducers connect the sound transducers to the player.
23 The garment may be a coat, jacket, shirt, blouse, vest, or
24 backpack. Additionally, the ducts may be provided with sound
25 ports.